MGMT

MGMT CPU

U5 STM32F030C8Tx

MGMT LED

LEDA_R R12 150Ω
LEDA_G R11 150Ω
LEDA_B R6 180Ω
D18 ASMB-MTB1-0A3A2
LEDB_R R15 150Ω
LEDB_G R14 150Ω
LEDB_B R13 180Ω
D3 ASMB-MTB1-0A3A2

NRST SW

SW5 SW_Push
MGMT_NRST

BOOT SW

SW4 SW_Push
MGMT_BOOT

USB

U9 USB_C_Receptacle
U3 CH340C
U4 USBLC6-2P6

I2C BUS

R8 1k5 +3.3V UI_SCL
R7 1k5 +3.3V UI_SDA

NET

NET CPU

U11 ESP32-S3-WROOM-1-N8R2

NET LED

NET_LED_R 150Ω
NET_LED_G 150Ω
NET_LED_B 180Ω
D4 ASMB-MTB1-0A3A2

AUDIO

U6 WM8960CGEFL/RV

UI

UI CPU

U1 STM32F405RGTx

UI LED

UI_LED_R R25 150Ω
UI_LED_G R24 150Ω
UI_LED_B R23 180Ω
D5 ASMB-MTB1-0A3A2

CONNECTORS

BATTERY – 2MM T Conn_01x02_Female
FIRMWARE – 2MM R Conn_01x06_Female
PROGRAM – 2MM L Conn_01x04_Female
BUTTON – 1MM T Conn_01x04_Female
Display – 2MM T Conn_01x08_Male
HEADSET – 2MM R Conn_01x06_Female
UI I2C – 1MM B Conn_01x04_Female
SPEAKER – 2MM R Conn_01x02_Female
DEBUG – 2MM L Conn_01x08_Female

POWER

Power Regulator

U2 AMS1117-3.3
D11 1N5819WS
D10 1N5819WS

BATT CHIP

U12 MCP73832-2-OT

VBATT

R38 100k

ANALOG

FerriteBead 120R1

EEPROM

CR1 M24C02-RDW6TP

Keyboard

U13 BM14B(0.8)-24DS-0.4V(53)